



SC09 PCT/PTO 1 2 MAR 2001

ALLIA 143C1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Zaghouani)
Serial No. : 09/623,728)
Filed : September 5, 2000)
For : Compounds, Compositions, and)
Methods for the Endocytic)
Presentation of Immunosuppressive)
Factors)
Examiner : Unknown)
Group Art Unit : Unknown)

I hereby certify that this correspondence
and all marked attachments are being
deposited with the United States Postal
Service as first class mail in an envelope
addressed to: Assistant Commissioner of
Patents and Trademarks, Washington,
D.C. 20231, on

March 4, 2001
Diane Trus
Diane Trus

INFORMATION DISCLOSURE STATEMENT

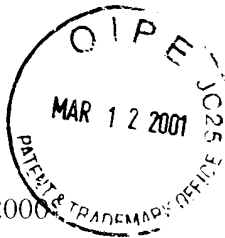
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Enclosed is form PTO-1449 listing references for the above listed patent application. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97 (b) (3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17 (p) to Deposit Account 01-1008.

All of the listed references were cited or submitted in prior applications: U.S. Serial No. 09/111,123, filed July 6, 1998; and U.S. Serial No. 08/779,767, filed January 7, 1997 on which the

Serial No. : 09/623,728
Filed : September 5, 2000



present application relies on for an earlier filing date under 35 U.S.C. § 120. Therefore, in accordance with 37 C.F.R. § 1.98 (d), copies of these references are not submitted.

If there are any questions concerning this Information Disclosure Statement, please call the undersigned at the number stated below.

Respectfully submitted,

Dated: 3/9/2001

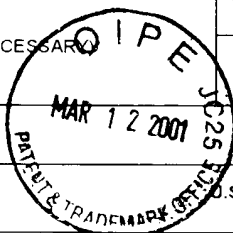
By: John E. Wurst
John E. Wurst
Registration No. 40,283
(858) 410-5174

143C11DS.doc

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO
ALLIA.143C1APPLICATION NO
09/623,728INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Habib ZaghouaniFILING DATE
September 5, 2000GROUP
Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,612,035	03/18/97	Howell, et al.			
	5,474,771	12/12/95	Lederman, et			
	5,508,386	4/96	Zanetti et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 96/16086	05/08/96	PCT				
	WO 94/14847	07/07/94	PCT				
	WO 96/34622	11/07/96	PCT				
	WO 95/29814	09/08/95	PCT				
	WO 93/10220	05/27/93	PCT				
	90/02017	7/91	GB				

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

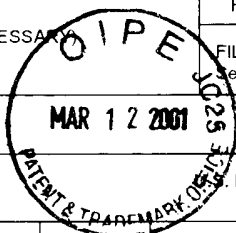
EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
A	Ashton-Rickardt, et al., "Evidence for a Differential Avidity Model of T-Cell Selection in the Thymus" Cell 76:651-663 (1994)
B	Brocke, et al., "Treatment of Experimental Encephalomyelitis with a Peptide Analogue of Myelin Basic Protein" Nature 379:343-346 (1996)
C	Chou, et al., "Frequency of T cells Specific for Myelin Basic Protein and Myelin Proteolipid Protein in Blood and Cerebrospinal Fluid in Multiple Sclerosis" J. of Neuroimmunology 38:105-114 (1992)
D	Cibotti, et al., "Tolerance to a Self Protein Involves Its Immunodominant But Does Not Involve Its Subdominant Determinants" Proc. Natl. Acad. Sci. USA 89:416-420 (1992)
E	De Magistris, et al., "Antigen Analog-Major Histocompatibility Complexes Act as Antagonists of the T Cell Receptor" Cell 68:625-634 (1992)

EXAMINER

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ALLIA.143C1	APPLICATION NO. 09/623,728
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Habib Zaghouani	
		FILING DATE September 5, 2000	GROUP Unknown



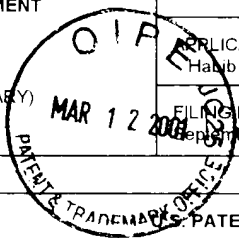
PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 94/28027	12/8/94	PCT				
		WO 94/10332	5/11/94	PCT				
		WO 93/06135	4/1/93	PCT				
		WO 92/05793	4/16/92	PCT				
		EP 0 629 703	12/21/94	Europe				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
F	Evavold, et al., "Ticking the TCR: Selective T-Cell Functions Stimulated by Altered Peptide Ligands" Immunology Today 14(12):602-609 (1993)	
G	Evavold, et al., "Separation of IL-4 Production From The Cell Proliferation by an Altered T-Cell Receptor Ligand" Science 252:1308-1310 (1991)	
H	Feldmann, et al., "Rheumatoid Arthritis" Cell 85:307-310 (1996)	
I	Hsu, et al., "Modulation of T-Cell Development by an Endogenous Altered Peptide Ligand" J. Exp. Med. 181:805-810 (1995)	
J	Jameson, et al., "Clone-Specific T-Cell Receptor Antagonists of Major Histocompatibility Complex Class I-Restricted Cytotoxic T Cells" J. Exp. Med. 177:1541-1550 (1993)	

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ALLIA 143C1	APPLICATION NO. 09/623,728
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Habib Zaghouani	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE September 5, 2000	GROUP Unknown



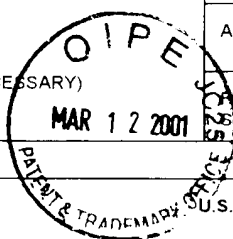
PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
K	Jameson et al., "Positive Selection of Thymocytes" <i>Annu. Rev. Immunol.</i> 13:93-126 (1995)	
L	Klassen, et al., "Blood Flow and Tissue Space of the Left Coronary Artery in Man" <i>Circulation Res.</i> 27:185-195 (1970)	
M	Kuchroo, et al., "Experimental Allergic Encephalomyelitis Mediated by Cloned T-Cells Specific for a Synthetic Peptide of Myelin Proteolipid Protein" <i>J. of Immunology</i> 148(12):3776-3782 (1992)	
N	Kuchroo, et al., "A Single TCR Antagonist Peptide Inhibits Experimental Allergic Encephalomyelitis Mediated by a Diverse T Cell Repertoire" <i>J. of Immunology</i> 153:3326-3336 (1994)	
O	Liu, et al., "Low Avidity Recognition of Self-Antigen by T Cells Permits Escape from Central Tolerance" <i>Immunity</i> 3:407-416 (1995)	

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ALLIA 143C1	APPLICATION NO 09/623,728
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Habib Zaghouani	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE September 5, 2000	GROUP Unknown



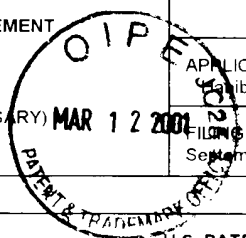
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	P	Mamula, Mark J., "The Inability to Process a Self-Peptide Allows Autoreactive T-Cells to Escape Tolerance" J. Exp. Med. 177:567-571 (1992)
	Q	Martin, et al., "Immunological Aspects of Demyelinating Diseases" Annu. Rev. Immunol. 10:153-187 (1992)
	R	McRae, et al., "Functional Evidence for Epitope Spreading on the Relapsing Pathology of Experimental Autoimmune Encephalomyelitis" J. Exp. Med. 182:75-85 (1995)
	S	Sebzda, et al., "Positive and Negative Thymocyte Selection Induced by Different Concentrations of a Single Peptide" Science 263:1615-1618 (1994)
	T	Sercarz, et al., "Dominance and Crypticity of T-Cell Antigenic Determinants" Annu. Rev. Immunol. 11:729-766 (1993)

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ALLIA 143C1	APPLICATION NO. 09/623,728
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Sabb Zaghouni	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE September 5, 2000	GROUP Unknown



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	U	Steinman, Lawrence, "Multiple Sclerosis: A Coordinated Immunological Attack Against Myelin in the Central Nervous System" Cell 85:299-302 (1996)
	V	Fisch, et al., "Insulin-Dependent Diabetes Mellitus" Cell 85:291-297 (1996)
	W	Tuckey, et al., "Identification of an Encephalitogenic Determinant of Myelin Proteolipid Protein for S.J.L. Mice" J. of Immunology 142(5):1523-1527 (1989)
	X	Windhagen, et al., "Modulation of Cytokine Patterns of Human Autoreactive T-Cell Clones By a Single Amino Acid Substitution of Their Peptide Ligand" Immunity 2:373-380 (1995)

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ALLIA 143C1	APPLICATION NO. 09/623,728
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Habib Zaghouani	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE September 5, 2000	GROUP Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

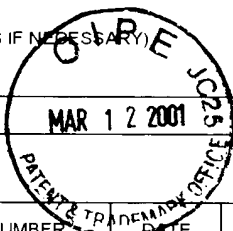
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
Y	Wucherpfennig, et al., "Molecular Mimicry in T-Cell-Mediated Autoimmunity: Viral Peptides Activate Human T-Cell Clones Specific for Myelin Basic Protein" <i>Cell</i> 80:695-706 (1995)
Z	Zhang et al., "Increased Frequency of Interleukin 2-Responsive T Cells Specific for Myelin Basic Protein and Proteolipid Protein in Peripheral Blood and Cerebrospinal Fluid of Patients with Multiple Sclerosis" <i>J. Exp. Med.</i> 179:973-984 (1994)
AA	Rudikoff et al., "Single Amino Acid Substitution Altering Antigen-Binding Specificity" <i>Proc. Natl. Acad. Sci. USA</i> 79:1979-1983 (1982)
BB	Panka et al., "Variable Region Framework Differences Result in Decreased or Increased Affinity of Variant Anti-Dioxin Antibodies" <i>Proc. Natl. Acad. Sci.</i> 85:3080-3084 (1988)
CC	Livingstone, et al., "The Structure of T-Cell Epitopes" <i>Ann. Rev. Immuno.</i> 5:477-501 (1987)

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO ALLIA.143C1	APPLICATION NO 09/623,728
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Habib Zaghouani	
		FILING DATE September 5, 2000	GROUP Unknown



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
DD	Hurtenbach, et al., "Prevention of Autoimmune Diabetes in Non-Obese Diabetic Mice by Treatment with a Class II Major Histocompatibility Complex-blocking Peptide" J. Exp. Med. 177:1499-1504 (1993)	
EE	Bone, et al., "Immunogenicity of Microbial Peptides Grafted in Self Immunoglobulin Molecules" Cellular and Molecular Biology 40(Suppl. 1):24-30 (1994)	
FF	Legge, et al., "Presentation of a T Cell Receptor Antagonist Peptide by Immunoglobulins Abolishes Activation of T Cells by a Synthetic Peptide or Protein Requiring Endocytic Processing" J. Exp. Med. 185(6):1043-1053 (1997)	
GG	Min, et al., "Modulation In Vivo of Autoreactive T Cells by a TCR Antagonist Ig Chimera" J. of Allergy & Clinical Immun. 99(1):738 (1997)	
HH	Liu, G. et al., "FcγRII-targeted fusion proteins result in efficient presentation by human monocytes of antigenic and antagonist T cell epitopes" J. Clin. Invest. 98(9):2001-2007 (1996)	
II	Min, B. et al., "Neonatal exposure to a self-peptide-immunoglobulin chimera circumvents the use of adjuvant and confers resistance to autoimmune disease by a novel mechanism involving interleukin 4 lymph node deviation and interferon γ-mediated splenic anergy" J. Exp. Med. 188(11):2007-2017 (1998)	
JJ	(03/08/00) PCT International Search Report in 6 pages. Courtesy Copy.	
KK	Liu et al. "Affinity for class II MHC determines the extent to which soluble peptides tolerate autoreactive T cells in naive and primed adult mice. Implications for autoimmunity" Int. Imm. 7(8):1255-1263 (1995)	
LL	Karpus et al. "Inhibition of Relapsing Experimental Autoimmune Encephalomyelitis in SJL Mice by Feeding the Immunodominant PLP139-146 Peptide" J. Neurosci. Res. 45: 410-423 (1996)	
MM	Karin et al. "Reversal of Experimental Autoimmune Encephalomyelitis by a Soluble Peptide Variant of a Myeline Basic Protein Epitope: T Cell Receptor Antagonism and Reduction of Interferon γ and Tumor Necrosis Factor α Production" J. Exp. Med. 180:2227-2237 (1994)	

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	